

2017 Mackinac Bridge Annual Walk



Prior Operations

- Through traffic allowed
- Unified Command utilized
 - Roles
 - Mackinac Bridge Authority
 - MSP
 - Mackinac County E.M./911
 - Mackinac County Sheriff's Office
 - USCG
 - Mi Army National Guard
 - EMS
- Emergency Operations Center
 - Ready-state

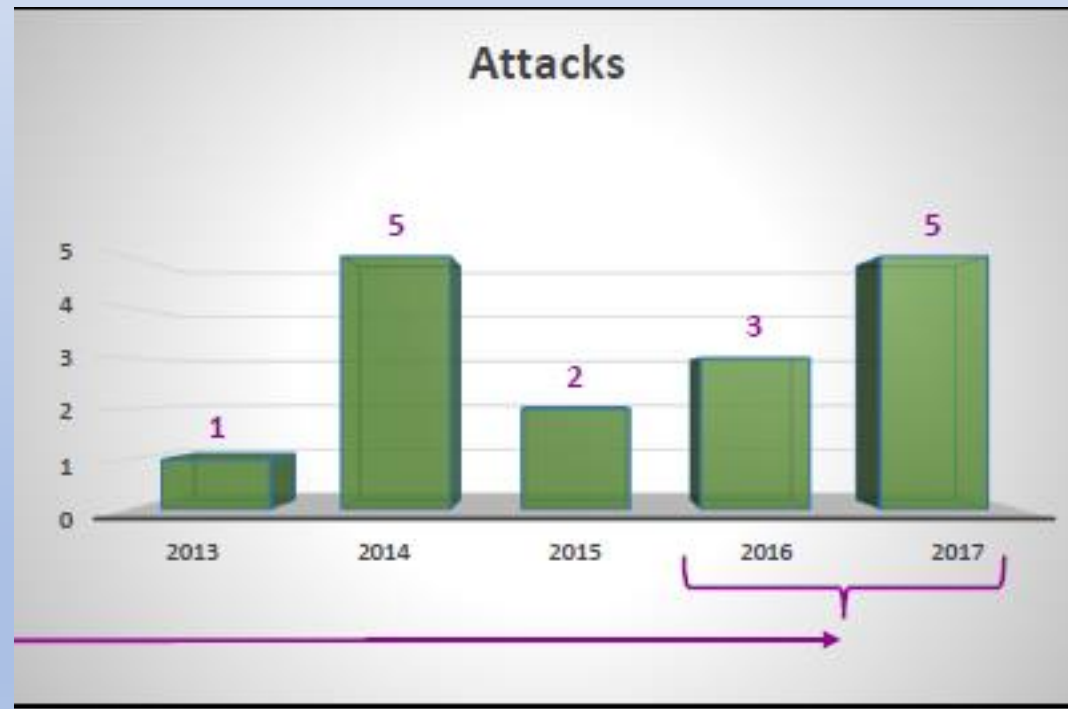
Reasons for change

While no credible threat had been made to the Mackinac Bridge Annual Walk, being pro-active to mitigate risks required a change in the event.

Abu Mohammad al-Adnani instructed supporters in a speech in September 2014. He said:

"If you are not able to find an IED or a bullet, then single out the disbelieving American, Frenchman, or any of their allies. Smash his head with a rock, or slaughter him with a knife, or run him over with your car, or throw him down from a high place, or choke him, or poison him." (BusinessInsider.com, 14 July 2016)

Note: In the last five months, November 2016 -March 2017, there have been seven (7) vehicle attacks



<u>7 Jan 2016</u>	Philadelphia, Pennsylvania	0	2	TER-ism	gunman shot and injured a police officer; attacker was shot and injured
<u>11 Feb 2016</u>	Columbus, Ohio	1	4	TER-ism	attacker injured 4 in machete attack at a restaurant; attacker was shot and killed by police when he attacked police at the end of a car chase
12 Jun 2016	Orlando, Florida	50	53	TER-ism	shooting attack at nightclub
7 Jul 2016	Bristol, Tennessee	1	3	TER-left	shooting attack killed one civilian, injured one police officer and three civilians
7 Jul 2016	Dallas, Texas	6	10	TER-left	sniper attack killed 5 police officers, injured 8 police officers and two civilians at protest rally; attacker was killed by police
17 Jul 2016	Baton Rouge, Louisiana	4	3	TER-left	shooting attack killed 3 police officers, injured 3 police officers; attacker was shot and killed by police
20 Aug 2016	Roanoke, Virginia	0	3	TER-ism?	stabbing attack at apartment complex injured 2; attacker was injured and arrested
17 Sep 2016	Seaside Park, New Jersey	0	0	THW	pipe bomb exploded at site of planned Marine Corps benefit run, no injuries due to delayed start of race
17 Sep 2016	Saint Cloud, Minnesota	1	10	TER-ism	stabbing attack at shopping mall injured 10, including one 15-year-old girl; attacker was shot and killed by police
17 Sep 2016	New York City, New York	0	29	TER-ism	bombing on street in Manhattan injured 29; additional bombs were found at other locations in Manhattan and nearby New Jersey but were safely detonated or defused

19 Sep 2016	Linden, New Jersey	0	3	TER-ism	two police officers injured in shootout with perpetrator of 17 Sep bombing in Manhattan; attacker was shot and injured
11 Oct 2016	East Hartford, Connecticut	1	3	CRI?	student pilot fought with his flight instructor and intentionally crashed a private plane near Pratt and Whitney factory
12 Oct 2016	East Boston, Massachusetts	1	2	?	attacker shot and critically injured 2 police officers; attacker was shot and killed by police
28 Nov 2016	Columbus, Ohio	1	11	TER-ism	vehicular attack on students at Ohio State University, after which the driver attacked people with a knife; attacker was shot and killed by police
6 Jan 2017	Fort Lauderdale, Florida	5	6	TER-ism	shooting attack at Fort Lauderdale Airport; 5 killed, 6 injured; 12,000 people evacuated from airport
31 Jan 2017	Denver, Colorado	1	0	TER-ism	fatal shooting of Denver transit authority guard
20 Mar 2017	New York City, New York	1	0	TER	stabbing attack
14 Jun 2017	Alexandria, Virginia	1	5	TER-left	shooting attack targeting Republican lawmakers at a baseball field; 5 injured including U.S. Representative Steve Scalise and 1 police officer; attacker was fatally shot
12 Aug 2017	Charlottesville, Virginia	1	19	TER-right	vehicular attack on protestors
24 Sep 2017	Antioch, Tennessee	1	8	TER	shooting attack on church service; attacker was injured

1 Oct 2017	Las Vegas, Nevada	59	527	CRI?	sniper attack on concert; fatalities included 1 police officer and 2 Canadians; attacker killed himself
31 Oct 2017	New York City, New York	8	12	TER-ism	attacker drove vehicle into people on a bike path, killing 8 (including 5 Argentine citizens and 1 Belgian citizen), then drove into a school bus injuring 4 (including 2 children); attacker was shot and injured
5 Nov 2017	Sutherland Springs, Texas	27	30	CRI	shooting attack on church during worship service; casualties include 9 children killed and at least 4 children injured; attacker was shot and later killed himself
22 Dec 2017	Harrisburg, Pennsylvania	1	1	TER-ism	shooting attacks on police officers injures one; the attacker was shot and killed
22 Dec 2017	San Francisco, California	0	0	THW	1 arrested in ISIS-inspired plot for shooting attack on Pier 39 during Christmas holidays
31 Jan 2018	Philadelphia, Pennsylvania	1	2	TER-ism?	vehicular attack injured one civilian; driver was fatally shot by off-duty police officer who was injured during struggle

Changes made

- Expanded Unified Command
- Emergency Operations Center opened
- Security expanded
- Closure of through traffic on bridge
- Traffic on bridge controlled
- Utilize RACES/ARES for situational awareness of traffic back-ups and observation of Critical Resources and Key Infrastructures

Command Structure

- Unified Command Approach
Command Make-up
- Emergency Operations Center Support Role

Multiple Operations

- Bridge Security
 - Ensure safety of walkers on bridge deck
 - Ensure safety of persons in gathering locations
- Maritime Security
 - Maintain security zone around and under bridge
- County operations
 - Maintain response service for routine calls outside of bridge-walk
 - Maintain situational awareness on infrastructure and traffic

Coordinated Partnerships

- MBA
- MSP
- USCG
- Mackinac County Sheriff's Office
- Mackinac County Emergency Management
- MI Army National Guard Emergency Management
- Mackinac County 911
- Mackinac, Luce, Chippewa County, CCE RACES/ARES
- Mackinac Marine Response
- Mackinac Straits Hospital
- Region 8 Health Care Coalition
- Region 8 MSP EMHSD District Coordinator
- Region 7 Health Care Coalition
- Cheboygan, Charlevoix, Emmet Counties Emergency Management
- CCE 911
- Cheboygan County Sheriff's Office
- Emmet County Sheriff's Office
- MDOT
- FBI
- Department of Homeland Security
- MI EMHSD
- USCBP Air and Sea
- MI Army National Guard 51st Civil Support Team

MAKING ORGANIZATION OUT OF CHAOS

DEVELOPING AN ICS SYSTEM FOR RESOURCE MANAGEMENT

- DIVIDING EVENT FUNCTIONALLY
 - SECURITY
 - TRAFFIC
 - HEALTH SAFETY
- DIVIDING EVENT GEOGRAPHICALLY
 - BRIDGEWALK IMMEDIATE AREA
 - REST OF COUNTY

RECOGNIZING THE NEED FOR ASSISTANCE

Mackinac County Contains:

- Numerous Energy transportation corridors-
 - Petroleum products
 - Natural Gas
 - Electricity
 - Communications
- Major “affected” vehicle transportation corridors-
 - I-75
 - U.S. 2
 - M-123

How can we best maintain situational awareness of Critical Infrastructure and Key Resources in outlying County areas?

- Recognize the Emergency Operations Center and the Incident Command Post need for information on status of outlying areas
- Recognize need to put “EYES ON” CI/KR to prevent/monitor intrusion and report back to proper responding officials
- Recognize need to provide information of traffic status to mitigate traffic accidents and jams
- Provide communication redundancy for motorists in “cellular Dead-Spots” along U.S. 2
- Assist Local Responders with information for response to incidents outside of the Bridgewalk

THE MISSION

(WHO YA GONNA CALL?)

- Find people willing to assist
- Ensure their safety
- Find people that can communicate “off the grid”
- Find people with communication training
- Provide them routes maintaining travel in opposite direction of heavy traffic
- Provide mapping system for assisting personnel to check in on “sensitive sites”
- Provide the IDENTIFICATION/CREDENTIALS



2017 Mackinac Bridge Annual Bridgewalk

Hey, Ron I Need Help!

2017 Mackinac Bridge Annual Bridgewalk



OKAY!



This year the Annual Bridgewalk is going to be different. We are going to need the help of many Amateur Radio Operators in the field.

2017 Mackinac Bridge Annual Bridgewalk

In the past during the annual bridgewalk the radio operators at the EOC were only monitoring voice traffic, and communicating with station W8CCE that was located on the southside of the bridge.

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Evolution of Bridge Plans

This year was going to be very very different. The Bridge would be closed to normal traffic, possible traffic jams reaching out on several main highways as travelers were heading toward the bridge.

2017 Mackinac Bridge Annual Bridgewalk

Reaching out for Assistance

We let it be known that we are looking for amateur radio operators from nearby counties. We reached out to ARRL District 8 Emergency Coordinator, Peter Costa, K8PDC for help. Peter put out the word to the LARS, Luce Amateur Radio Society located in Luce County.

2017 Mackinac Bridge Annual Bridgewalk

Reaching out for Assistance

Peter, also put out a request to Chippewa County ARRL Emergency Coordinator Brian Levy, K8LXS.

We also were in communications with ARRL Emergency Coordinators Chuck Brew, N8NXP and Chuck Scott, N8DNX from CCE, for their assistance and input.

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Building the Plan

With the help of Mike Kasper, EM, we started to plan and implement the ICS forms to reflect the needs of the event. The ICS forms used were, (ICS 201), (ICS 204), (ICS 205), (ICS208), (ICS 213), and (ICS 214).

2017 Mackinac Bridge Annual Bridgewalk

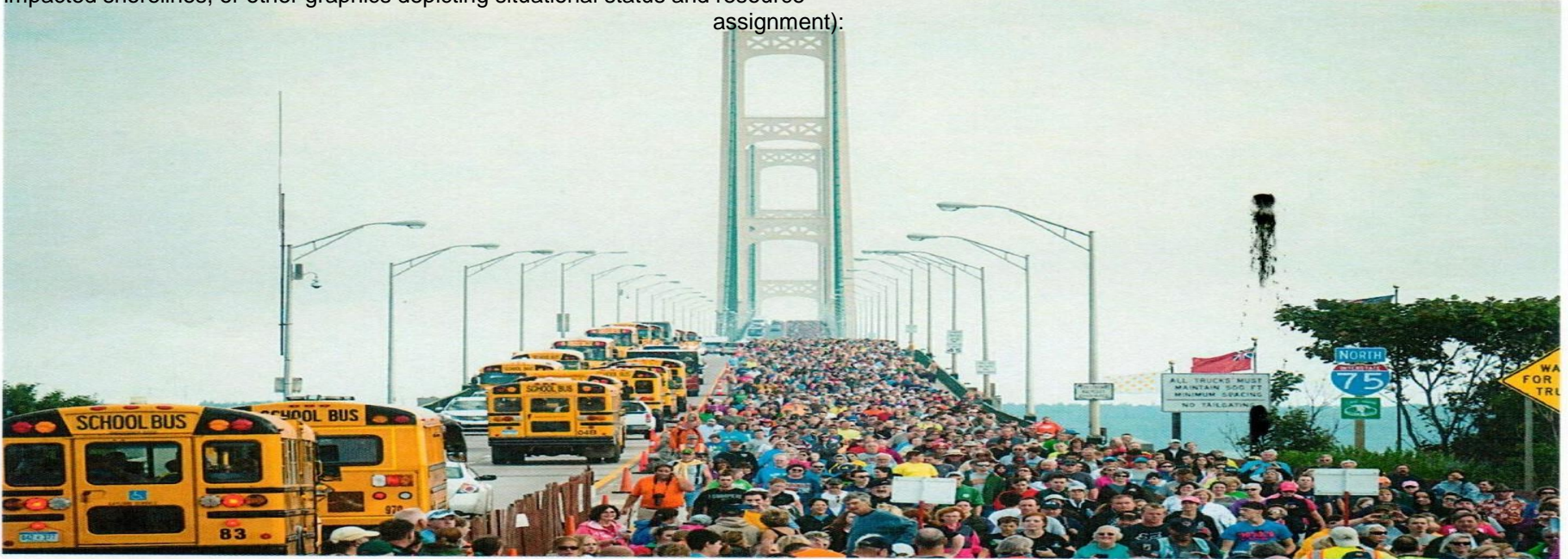
Building the Plan

Mike and myself started to attend meetings of the LARS club to tell them of our needs and what would be required of them during the bridgewalk. Peter Costa began gathering names of those interested, also passing on information on to the Chippewa County EUPARC club.

2017 Mackinac Bridge Annual Bridgewalk

Examples of our ICS Forms

INCIDENT BRIEFING (ICS 201)

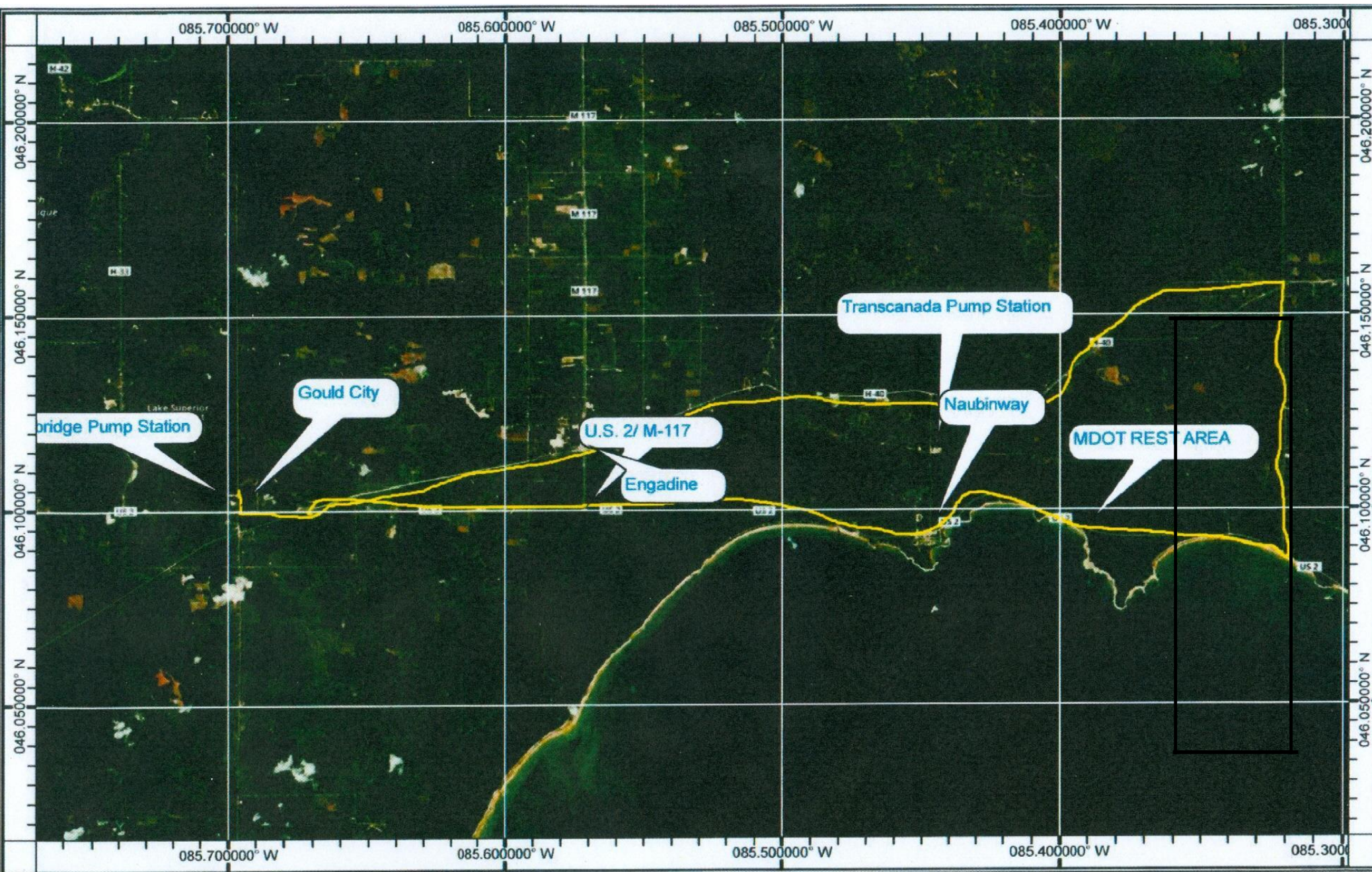
1. Incident Name: 6QTH ANNUAL MACKINAC BRIDGE WALK	2. Incident Number: 1	3. Date/Time Initiated: Date: 9/3/2017 Time: 1700
4. Map/Sketch (include sketch, showing the total area of operations, the incident site/area, impacted and threatened areas, overflight results, trajectories, impacted shorelines, or other graphics depicting situational status and resource assignment): 		

5. Situation Summary and Health and Safety Briefing (for briefings or transfer of command): Recognize potential incident Health and Safety Hazards and develop necessary measures (remove hazard, provide personal protective equipment, warn people of the hazard) to protect responders from those hazards.

To ensure safety and security of persons involved and affected during the 601h Annual Mackinac Bridge Walk.

6. Prepared by: Name: _____	Position/Title: _____	Signature: _____
ICS 201, Page 1		Date/Time: Date _____

1. Incident Name: Mackinac Bridge Walk Operation: Back Door		2. Operational Period: Date From: 09/04/2017 Date To: 09/04/2017 ASSIGNMENT LIST (ICS 204) Time From: 0600 Time To: 1800		3. RACES Branch: Division: Hendricks Group: Rover Staging Area: Mackinac County EOC																																											
4. Operations Personnel: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name</th> <th style="width: 50%;">Operations</th> <th style="width: 20%;">Contact Number(s)</th> </tr> </thead> <tbody> <tr> <td colspan="3">Section Chief:</td> </tr> <tr> <td colspan="3" style="height: 150px; vertical-align: top;"> Branch Director: Division/Group Supervisor: Ron Peterka </td> </tr> </tbody> </table>				Name	Operations	Contact Number(s)	Section Chief:			Branch Director: Division/Group Supervisor: Ron Peterka																																					
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5. Resources Assigned:		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Resource Identifier</th> <th style="width: 15%;">Leader</th> <th style="width: 15%;">Contact (e.g., phone, pager, radio frequency, etc.)</th> <th style="width: 55%;">Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information</th> </tr> </thead> <tbody> <tr> <td>104</td> <td>Paul</td> <td>4 AB8LX/</td> <td>Hendricks Fire Station</td> </tr> <tr> <td></td> <td>Jack</td> <td>KC8MJV/ 906-322-8663</td> <td>1000-1300</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Louis</td> <td>N8LOU/ 989-513-0823</td> <td>1300-1600</td> </tr> <tr> <td></td> <td>Deb</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Resource Identifier	Leader	Contact (e.g., phone, pager, radio frequency, etc.)	Reporting Location, Special Equipment and Supplies, Remarks, Notes, Information	104	Paul	4 AB8LX/	Hendricks Fire Station		Jack	KC8MJV/ 906-322-8663	1000-1300						Louis	N8LOU/ 989-513-0823	1300-1600		Deb																						
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6. Work Assignments: Maintain presence, observe traffic flow on U.S. 2 periodically. Observe only. Be prepared to give provided answers questions of traffic status. Report requests for assistance from travelers unable to utilize cellular communications.																																															
7. Special Instructions: Recommend travel to and from assigned location from north.																																															
8. Communications: (radio and/or phone contact numbers needed for this assignment):																																															



0 10000 20000 30000 40000 50000
Feet
SCALE 1:144448
=3

INCIDENT RADIO COMMUNICATIONS PLAN (ICS 205)

1. Incident Name: Mackinac Bridge Walk/ Back Door	2. Date/Time Prepared: Date: 8-29-2017 Time: 08:10	3. Operational Period: Date From: 8-29-2017 Date To: 8-29-2017 Time From: 06:30 Time To: 18:00
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4. Basic Radio Channel Use :

Zone Grp	Ch #	Function	Channel Name!Trunked Radio System Talkgroup	Assignment	RX Freq Ton=I AC NorW		TX Freq N or w	TX Tone/NAC	Mode (,A D, or M)	Remarks
	1	RACES	Primary Repeater	All	442.375	107.2	447.375	107.2	A	Repeater C allsign WSCCE
	2	RACES	Secondary Repeater	All	146.680	110.9	146.080	110.9	A	Repeater Callsign W8CCE
	3	RACES	Primary Simplex	All	146.580	none	146.580	none	A	
	4	RACES	Secondary Simplex	All	446.000	none	446.000	none	A	
	5	RACES	APRS	Mobile Vehicle	144.390	none	144.390	none	D	

5. Special Instructions:
 All RACES operators will use tactical call signs. Sign at end of your transmission with your Amateur call sign. EOC will use "command" as Tactical call sign. EOC will be using Amateur call sign of K8EUP.
 Vehicle tactical call signs:
 UNIT 101, UNIT 102, UNIT 103. UNIT 104, UNIT 105, UNIT 106, UNIT 107, UNIT 108, UNIT 109

6. Prepared by (Communications Unit Leader): Name: _____		Signature: _____ Date/Time : 08-29-2017 08:30
JCS 205	IAP Page	

1. Incident Name:
2017 Mackinac Bridge Annual Walk/
Operation Backdoor

2. Operational	Date	From:	9/3/2017	Date To:	9/4/2017	
	Per i o d :	Time	From:	1700	Time To:	1800

SAFETY MESSAGE/PLAN (ICS 208)

3. Safety Message /Expanded Safety Message , Safety Plan, Site Safety Plan:

Observe and report only traffic conditions in assigned areas.

Rerport in to Command utilizing provided ICS 205 at required intervals on ICS 204s.

Do not confront subjects involved in suspicious or unlawful activities. Ensure clockwise travel in relations to maps avoiding traffic back-ups. Wear high visibility traffic vests when in traffic areas. Maintain proper hydration, ensure dietary needs are met.

Ensure proper fuel level when starting shift.

For severe (heart attack/life threatening) emergencies, call 911.

Minor emergencies (fender-bender, traffic delays, non life threatening), report to EOC Command.

4. Site Safety Plan Required? Yes ☐ No ☒
Approved Site Safety Plan(s) Located At:

5. Prepared by:	Name:	Position/Title:	Signature:
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2017 Mackinac Bridge Annual Bridgewalk APRS?

Developed by Bob Bruninga, WB8APR.
Designed to support rapid, reliable exchange of local, tactical real-time information, events, and nets. Using digital ax-25 protocol. Due to the use of our mobile operators in the field, we could track in real time the locations of all mobiles on a map, as each would have their own logo and be updated every minute.

APRS was developed in the late 1970's.

2017 Mackinac Bridge Annual Bridgewalk

APRS?

Being there is not that much activity of APRS in the UP. Most amateur's do not have this capability in their cars, it was thought that maybe we could use the internet and an app on a smart phone. Everyone were given the app to use. These app's require that you be a licensed amateur radio operator, as this data will be transmitted on RF.

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2017 Mackinac Bridge Annual Bridgewalk

Plan Finalization

One week before the event, we held a final meeting in Luce County EOC with 22 persons present. All were provided a packet with all necessary information, including completed ICS forms, plans, tac callsigns were assigned and their assignments. Safety was stressed to all, most of all importance. All mobile units were provided reflective vests to wear.

2017 Mackinac Bridge Annual Bridgewalk

Plan Finalization

We are not law enforcement, nor traffic control. We are to maintain presence, observe traffic flow, inspect infrastructures as needed. Be prepared to give provided answers to questions of traffic status. Report requests for assistance for travelers unable to utilize cellular communications.

2017 Mackinac Bridge Annual Bridgewalk

Implementing the Plan

One day before the event an antenna array built by Shanon KA8SPW, ARRL DEC for District 2 South, for Bryce Tracy was installed at MSP mobile command post. A portable telescoping mast supporting two antennas, supplied by Shanon was also installed at our EOC that day. This enabled us to have an additional two band radio in our radio room.

2017 Mackinac Bridge Annual Bridgewalk

Implementing the Plan

The ARES/RACES Station K8EUP located in the Mackinac County EOC started operations at 0630 hours and as teams arrived at their assigned locations, checked into our station. At our location we had 4 operators in the radio room.

Shella W8OCD, net control

Eric K8ESL, logger

Shanon KA8SPW, net control, logger

Ron W8DR, supervisor

2017 Mackinac Bridge Annual Bridgewalk

Implementing the Plan

Our equipment in the EOC were two, 2 band radio's, an 800 mhz radio. Messages were being passed to the EOC compiled from the field. It was requested by the MSP District 8 Coodinator, Lt. Steve Derusha, that he be furnished with hourly reports of traffic on the highways.

2017 Mackinac Bridge Annual Bridgewalk

How Things Worked

The Mackinac EOC staff was provided with a large monitor that showed the movements of the mobile stations as they completed their loops.

The highways were almost completely empty, hardly any backups to be seen. Longest back-up was near the bridge on US 2, about 1 mile long.

The bridge was opened at 1230 hours. Radio operations were secured at 1300 hours.

2017 Mackinac Bridge Annual Bridgewalk

Ron Peterka W8DR

EC/RO Mackinac County

rjpeterka@gmail.com

Mackinac County Emergency Operations Center



Pete-Region 8 ARRL E.C.



U.S. 2-EASTBOUND/BREVORT LAKE RD.



U.S. 2-WEST-BOUND NEAR SAND DUNES



SOUTH-SIDE STATION W8CCE AT MACKINAW CITY



BE SAFE GOING HOME!